	Туре	L#	Pits	Search T xt	DBs	Tim Stamp
1	BRS	L1	64435	hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:35
2	BRS	L2	1984	1 and (multiple or number or plurality or multi) adj hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:31
3	BRS	L3	4047	plurality or multi) adj2 (hierarch\$5 or	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:38
4	BRS	L4	169392	hierarch\$6 or tree	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:36
5	BRS	L5	6088	4 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:01

	Туре	L#	Pits	Search Text	DBs	Tim Stamp
6	BRS	L6	835		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:41
7	BRS	L7	836	5 and node and parent and child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:45
8	BRS	L8	50	7 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:08
9	BRS	L9	2342	1 and ("more" adj4 hierarch\$5)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:54
10	BRS	L10	0	1 and ("one or more" adj4 hierarch\$5)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:56

	Туре	L#	Pits	S arch Text	DBs	Time Stamp
11	BRS	L11	0	"one or more" adj4 hierarch\$5	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:57
12	BRS	L12	818		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:58
13	BRS	L13	240	12 and (707/\$.ccls. or 709/\$.ccls.)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:59
14	BRS	L14	6647	4 and (multiple or number or plurality or multi or ("one" adj "more")) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:34
15	BRS	L15	1008	14 and ((multiple or number or plurality or multi or ("one" adj "more")) adj node)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:07

	Туре	L#	rits	Search T xt	DBs	Time Stamp
16	BRS	L16	317	15 and node same parent same child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:44
17	BRS	L17	33	16 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:34
18	BRS	L18	2042	or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:39
19	BRS	L19	37	identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:42
20	BRS	L20	115	(multiple or plurality or multi or ("one" adj "more")) adj (hierarch\$5 or tree) adj structure	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:42

	Type	L#	Hits	Search T xt	DBs	Time Stamp
21	BRS	L21	5	20 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:43
22	BRS	L22	4	21 and node same parent same child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:44
23	BRS	L23	5	21 and nodes!	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:44
24	BRS	L24	4	23 and node and parent and child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:45
25	BRS	L25	4	23 and node and parent and (child\$4 or sibling)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:46

	Туре	L#	Mits	Search Text	DBs	Time Stamp
26	BRS	L26	5	23 and node and parent	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:46
27	BRS	L27	4	23 and node and parent and leaf	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 14:46

	Туре	L#	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	64435	hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:35
2	BRS	L2	1984	1 and (multiple or number or plurality or multi) adj hierarch\$6	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:31
3	BRS	L3	4047	1 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:38
4	BRS	L4	169392		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:36
5	BRS	L5	6088	4 and (multiple or number or plurality or multi) adj2 (hierarch\$5 or tree)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:53

	Туре	L#	Hits	Search Text	DBs	Time Stamp
6	BRS	L6	835	5 and node and parent and child	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:41
7	BRS	<b>L7</b>	836	5 and node and parent and child\$4	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:41
8	BRS	L8	50	7 and ((identification or ID or identifier) near4 unique) near8 node	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:43
9	BRS	L9	2342		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:54
10	BRS	L10	0	1 and ("one or more" adj4 hierarch\$5)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:56

	Туре	L#	Hits	Search Text	DBs	Time Stamp
11	BRS	L11	0	"one or more" adj4 hierarch\$5	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:57
12	BRS	L12	818		USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:58
13	BRS	L13	240	12 and (707/\$.ccls. or 709/\$.ccls.)	USPAT; US-PG PUB; EPO; JPO; DERW ENT; IBM_TD B	2003/04/30 13:59

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# **Patent Assignment Abstract of Title**

Total Assignments: 1

Applicati n #: <u>09544253</u> Filing Dt: 04/05/2000 Patent #: NONE Issue Dt:

PCT #: NONE Publicati n #: NONE Pub Dt:

Inventors: Gopal Parupudi, Stephen S. Evans, Burdette J. Holtgrewe, Edward F. Reus

Title: Context aware systems and methods utilizing hierarchical tree structures

Assignment: 1

 Reel/Frame:
 010936/0317
 Received:
 Recorded:
 Mailed:
 Pages:

 07/26/2000
 06/26/2000
 09/12/2000
 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: PARUPUDI, GOPAL Exec Dt: 06/19/2000

EVANS, STEPHEN S. Exec Dt: 06/15/2000

HOLTGREWE, BURDETTE J. Exec Dt: 06/07/2000
REUS, EDWARD F. Exec Dt: 06/07/2000

REUS, EDWARD F. Exec Dt: 06/07/2000

Assignee: MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Correspondent:** LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVE

SUITE 500

SPOKANE, WA 99201

Search Results as of: 4/30/2003 2:28:47 P.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
Web interface last modified: Oct. 5, 2002

# **Patent Assignment Assignor Details**

**Assignor Name: PARUPUDI, GOPAL** 

T tal Assignments: 14

Assignment: 1

**Reel/Frame**: <u>009793/0656</u> **Received**:

**Recorded:** 02/23/1999

**Mailed:** 05/24/1999

Pages:

03/08/1999

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 02/22/1999

2 GOERTZEL, MARIO C.

Exec Dt: 02/22/1999

3 SRINIVAS, MURTHY

Exec Dt: 02/22/1999

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

App # PCT #

# Pat #

Pub #

<u>09256624</u> NONE

NONE NONE

07/01/1999

Correspondence name and address

THE LAW OFFICES OF ALBERT S. MICHALIK

ALBERT S. MICHALIK

704-228TH AVE. NE

**SUITE 193** 

REDMOND, WA 98053

Assignment: 2

Reel/Frame: 010056/0440 Received:

**Recorded:** 06/22/1999

**Mailed:** 08/31/1999

Pages:

6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 GRAMBIHLER, ROGER F.

Exec Dt: 06/21/1999

2 LIU, CHAO-CHIA

Exec Dt: 06/21/1999

3 SRINIVAS, MURTHY

Exec Dt: 06/21/1999

4 STROM, SUSAN E.

Exec Dt: 06/21/1999

5 PARUPUDI, GOPAL

Exec Dt: 06/21/1999

- ----

Exec Dt: 06/21/1999

6 PLASTINA, DANIEL

Exec Dt: 06/21/1999

**7** CORRINGTON, ROBERT E.

**Assignee** 

**1** MICROSOFT CORPORATION

ONE MICROSOFT WAY

**BELLEVUE, WASHINGTON 98052** 

Pr perty

**App # PCT #** 09338352 NONE

Pat # NONE

Pub # NONE

b

Correspondence name and address

h g h ff

MICHALIK & WYLIE, PLLC ALBERT S. MICHALIK 14645 BEL-RED ROAD, SUITE 103 BELLEVUE, WA 98007

Assignment: 3

Reel/Frame: 010624/0810 Received: Recorded: Mailed: Pages: 7

05/15/2000 02/04/2000 05/16/2000

C nveyance: CORRECTIVE ASSIGNMENT TO CORRECT ASSIGNEE'S ADDRES RECORDED AT REEL 010056

FRAME 0440

**Assignors** 

1 GRAMBIHLER, ROGER F. Exec Dt: 06/21/1999

2 <u>LIU, CHAO-CHIA</u> Exec Dt: 06/21/1999

3 SRINIVAS, MURTHY Exec Dt: 06/21/1999

**4** STROM, SUSAN E. **Exec Dt:** 06/21/1999

5 PARUPUDI, GOPAL Exec Dt: 06/21/1999

6 PLASTINA, DANIEL Exec Dt: 06/21/1999

7 CORRINGTNON, ROBERT E. Exec Dt: 06/21/1999

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

App # PCT # Pat # Pub #

<u>09338352</u> NONE NONE NONE

C rrespondence name and address

MICHALIKE & WYLIE, PLLC

ALBERT S. MICHALIK

14645 BEL-RED ROAD

**SUITE 103** 

BELLEVUE, WA 98007

**Assignment: 4** 

**Reel/Frame:** 010978/0070 Received: Recorded: Mailed: Pages: 08/10/2000 07/11/2000 09/26/2000 5

C nveyance: LETTERS OF ADMINISTRATION (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL Exec Dt: 06/07/2000

2 REUS, EDWARD F. Exec Dt: 06/15/2000

3 EVANS, STEPHEN S. Exec Dt: 06/19/2000
4 GOERTZEL, MARIO C. Exec Dt: 06/28/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

 App #
 PCT #
 Pat #
 Pub #

 09543053
 NONE
 NONE
 NONE

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# Correspondence name and address

LEE & HAYES, PLLC LANCE R. SADLER 421 W. RIVERSIDE AVENUE SUITE 500 SPOKANE, WA 99201

Assignment: 5

Reel/Frame: 010936/0317 Received:

**Recorded:** 06/26/2000

**Mailed:** 09/12/2000

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C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 EVANS, STEPHEN S.

**Exec Dt:** 06/15/2000

**3** HOLTGREWE, BURDETTE J.

**Exec Dt:** 06/07/2000

4 REUS, EDWARD F.

Exec Dt: 06/07/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT #

Pat #

07/26/2000

Pub#

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

09544253 NONE

NONE NONE

C rrespondence name and address

LEE & HAYES, PLLC LANCE R. SADLER

421 W. RIVERSIDE AVE

SUITE 500

SPOKANE, WA 99201

Assignment: 6

Reel/Frame: 010965/0209 Received:

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Pages:

08/07/2000 07/13/2000

**Assignors** 

1 EVANS, STEPHEN S.

Exec Dt: 06/15/2000

2 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

3 HOLTGREWE, BURDETTE J.

Exec Dt: 06/07/2000

4 REUS, EDWARD F.

Exec Dt: 06/07/2000

**5** BURNS, GREGORY

Exec Dt: 06/29/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

**REDMOND, WASHINGTON 98052** 

**Property** 

App #

PCT #

Pat #

Pub #

<u>09543646</u>

NONE

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NONE

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C rrespondence name and address

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LEE & HAYES, PLLC LANCE R. SADLER **421 W. RIVERSIDE AVENUE** SUITE 500 SPOKANE, WA 99201

Assignment: 7

Reel/Frame: 010978/0212 Received:

Recorded: 07/06/2000 Mailed: 09/26/2000 Pages:

08/10/2000 C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 REUS, EDWARD F.

**Exec Dt:** 06/07/2000

**3** EVANS, STEPHEN S.

Exec Dt: 06/15/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT #

Pat #

Pub#

NONE <u>09543052</u>

NONE

NONE

Correspondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVENUE, SUITE 500

SPOKANE, WASHINGTON 99201

**Assignment: 8** 

**Reel/Frame:** 010978/0217 **Received:** 

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C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 REUS, EDWARD F.

Exec Dt: 06/19/2000

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App #

PCT #

Pub#

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09543054 NONE NONE NONE

Pat #

Correspondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

**421 W. RIVERSIDE AVE** 

SUITE 500

SPOKANE, WA 99201

Assignment: 9

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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 06/19/2000

2 REUS, EDWARD F.

Exec Dt: 06/07/2000

**3** EVANS, STEPHEN S.

Exec Dt: 06/15/2000

Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT # Pat #

Pub #

09543055 NONE NONE

NONE

C rrespondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVE

**SUITE 500** 

SPOKANE, WA 99201

Assignment: 10

**Reel/Frame:** <u>011395/0245</u> **Received:** 

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12/22/2000

03/15/2001

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 PARUPUDI, GOPAL

Exec Dt: 12/19/2000

**2** EVANS, STEPHEN S.

Exec Dt: 12/19/2000 Exec Dt: 12/19/2000

**3** REUS, EDWARD F.

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMONDS, WASHINGTON 98052

**Property** 

App # PCT # Pat # Pub#

09746923 NONE

NONE

US20020120370

Correspondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

421 W. RIVERSIDE AVE

SUITE 500

SPOKANE, WA 99201

Assignment: 11

Reel/Frame: 011395/0255 Received:

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01/09/2001

12/22/2000

03/15/2001

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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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1 PARUPUDI, GOPAL

2 EVANS, STEPHEN S.

3 REUS, EDWARD F.

Exec Dt: 12/19/2000 Exec Dt: 12/19/2000 Exec Dt: 12/19/2000

## **Assignee**

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

### **Property**

App # PCT# Pat # Pub#

09746918 NONE NONE US20020119788

## Correspondence name and address

LEE & HAYES, PLLC.

LANCE R. SADLER

**421 W. RIVERSIDE AVE** 

SUITE 500

SPOKANE, WA 99201

## **Assignment: 12**

**Reel/Frame:** <u>011395/0403</u> **Received:** Recorded: Mailed: Pages: 01/09/2001 12/22/2000 5

03/15/2001

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

# **Assignors**

1 PARUPUDI, GOPAL Exec Dt: 12/19/2000

2 EVANS, STEPHEN S. Exec Dt: 12/19/2000

3 REUS, EDWARD F. Exec Dt: 12/19/2000

### Assignee

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

#### **Property**

App # PCT # Pat # Pub#

09746924 NONE NONE US20020122055

# C rrespondence name and address

LEE & HAYES, PLLC

LANCE R. SADLER

**421 W. RIVERSIDE AVENUE** 

**SUITE 500** 

SPOKANE, WA 99201

## **Assignment: 13**

Reel/Frame: 011395/0458 Received: Recorded: Mailed: Pages: 01/09/2001 12/22/2000 03/15/2001 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

#### Assign rs

1 PARUPUDI, GOPAL Exec Dt: 12/19/2000

**2** EVANS, STEPHEN S. Exec Dt: 12/19/2000

3 REUS, EDWARD F. Exec Dt: 12/19/2000

# **Assignee**

h. ff b h g

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY **REDMOND, WASHINGTON 98052** 

Pr perty

App # PCT# Pat # Pub#

09746936 NONE NONE US20020124067

Correspondence name and address

LEE & HAYES, PLLC LANCE T. SADLER **421 W. RIVERSIDE AVE** SUITE 500 SPOKANE, WA 99201

Assignment: 14

**Reel/Frame:** <u>012975/0857</u> **Received:** Recorded: Mailed: Pages: 5

06/03/2002 06/14/2002 08/12/2002

C nveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors** 

1 COPELAND, BRUCE WAYNE Exec Dt: 05/30/2002

2 DREW, DANIEL NICHOLAS JOSEPH Exec Dt: 05/31/2002

3 ELLIS, JOHN LEO **Exec Dt:** 05/31/2002

4 OSBORNE, KENNETH MARK **Exec Dt:** 05/31/2002

5 PAN, ZHENGKAI KENNETH **Exec Dt:** 05/31/2002

6 PARUPUDI, GOPAL **Exec Dt:** 05/31/2002 Exec Dt: 05/31/2002

7 WILSON, RUSSELL TODD

**Assignee** 

1 MICROSOFT CORPORATION

ONE MICROSOFT WAY

REDMOND, WASHINGTON 98052

**Property** 

App # PCT # Pat # Pub#

10162851 NONE NONE NONE

Correspondence name and address

LEE & HAYES, PLLC BRIAN G. HART **421 WEST RIVERSIDE AVENUE** SUITE 500

SPOKANE, WA 99201

Search Results as of: 4/30/2003 2:29:04 P.M.

b